

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :	Satoshi Seo et al.	Art Unit :	2879
Serial No. :	10/024,699	Examiner :	Matthew Hodges
Filed :	December 21, 2001	Conf. No. :	6811
Title :	LIGHT EMITTING DEVICE HAVING ORGANIC LIGHT EMITTING MATERIAL		

**MAIL STOP RCE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicants request consideration of the references listed on the attached PTO-1449 form. A copy of the listed U.S. patent can be provided upon request.

Applicants note that claim 5 of the present application recites a hole-injecting layer ("HIL") comprising a first organic compound that serves as a hole injecting material in contact with an anode; a hole transporting layer ("HTL") comprising a second organic compound that serves as a hole transporting material; and a mixed region comprising the first organic compound and the second organic compound between the HIL and the HTL.

Applicants further note that, at page 5 of the Office Action dated February 8, 2005 in co-pending U.S. Application Serial No. 10/043,812, another examiner has taken the position that Fujii (U.S. Patent No. 5,674,597) discloses an organic compound film comprising at least two compounds selected from the group consisting of a HTL and a HIL (see col. 3, lines 18-20; col.4, lines 62-64; and col.5, lines 26-30).

Also, supplemental to the Information Disclosure Statements (IDS) filed June 19, 2002 and February 13, 2003, applicants submit the attached corrected forms PTO-1449. The corrected forms PTO-1449 are being submitted to correct a typographical error in the publication date and the page counts for references Desig. ID "AY", "AZ" and "AL". The attached forms PTO-1449 include the correct publication date and page counts in bold type.

Applicant : Satoshi Seo et al.  
Serial No. : 10/024,699  
Filed : December 21, 2001  
Page : 2 of 2

Attorney's Docket No.: 12732-088001 / US5398/5543

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Respectfully submitted,

Date: \_\_\_\_\_

12/22/06

  
\_\_\_\_\_  
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12732-088001	Application No. 10/024,699
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Satoshi Seo et al.	
		Filing Date December 21, 2001	Group Art Unit 2879

(37 CFR §1.98(b))

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,674,597	10/07/1997	Fujii et al.			01/13/1995
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	Office Action dated February 8, 2005, in co-pending U.S. Application Serial Number 10/043,812 (12 pages)
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initiate citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Examiner Initial	Desig. ID	Patent/Application Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	10/026,064	Pending	Seo et al.			01/10/2002
	AB	10/081,971	Pending	Yamazaki et al.			02/20/2002
	AC	10/072,310	Pending	Yamazaki et al.			02/05/2002
	AD	10/060,427	Pending	Kanagawa et al.			01/29/2002
	AE	10/062,005	Pending	Yamazaki et al.			01/31/2002
	AF	10/043,812	Pending	Kanagawa et al.			01/10/2002
	AG	10/081,558	Pending	Seo et al.			02/20/2002
	AH	10/072,507	Pending	Seo et al.			02/05/2002
	AI	10/026,064	Pending	Seo et al.			12/21/2001
	AJ	09/852,090	Pending	Yamagata et al.			05/10/2001
	AK	5,925,980	07/20/1999	So et al.			05/01/1997
	AL	5,853,905	12/29/1998	So et al.			09/08/1997
	AM	6,130,001	10/10/2000	Shi et al.			07/15/1997
	AN	5,271,089	12/14/1993	Ozawa			11/04/1991
	AO	6,285,039	09/04/2001	Kobori et al.			06/03/1998

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							Yes	No
	AP	EP 1 065 737 A2	01/03/2001	Europe				
	AQ	10-233288	09/02/1998	Japan			XX	
	AR	2001-52870	02/23/2001	Japan			XX	
	AS							
	AT							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AU	C.W. Tang et al.; "Organic Electroluminescent Diodes"; <i>Applied Physics Letters</i> , Vol. 51, No. 12; pp. 913-915; September 21, 1987

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**Other Documents (Include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AV	Yasunori Kijima et al.; "A Blue Organic Light Emitting Diode"; <i>Japan Journal of Applied Physics</i> , Vol. 38; pp. 5274-5277; September 1999
	AW	C.W. Tang et al.; "Electroluminescence of Doped Organic Thin Films"; <i>Journal of Applied Physics</i> , Vol. 65, No. 9; pp. 3610-3616; May 1, 1989
	AX	Chihaya Adachi et al.; "Electroluminescence in Organic Films with Three-Layer Structure"; <i>Japanese Journal of Applied Physics</i> , Vol. 27, No. 2; pp. L269-L271; February 1988
	AY	Tetsuo Tsutsui et al.; "New Aspect of Research and Development of Organic EL"; <i>M&amp;BE Seminar (M&amp;BE)</i> , Vol. 11, No. 1; pp. 3-12; 2000
	AZ	Takeo Wakimoto et al.; "Organic EL Cells Using Alkaline Metal Compounds as Electron Injection Materials"; <i>IEEE Transactions on Electron Devices</i> , Vol. 44, No. 8, pp. 1245-1248; August 1997
	AAA	S.A. Van Slyke et al.; "Organic Electroluminescent Devices with Improved Stability"; <i>Applied Physics Letter</i> , Vol. 69, No. 15; pp. 2160-2162; October 7, 1996
	ABB	D.F. O'Brien et al.; "Improved Energy Transfer in Electrophosphorescent Devices"; <i>Applied Physics Letter</i> , Vol. 74, No. 3; pp. 442-444; January 18, 1999
	ACC	Tetsuo Tsutsui et al.; "High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center"; <i>Japan Journal of Applied Physics</i> , Vol. 38, Part 2, No. 12B; pp. L1502-L1504; December 15, 1999
	ADD	Tetsuo Tsutsui; "The Operation Mechanism and the Light Emission Efficiency of the Organic EL Element"; <i>Test of the Third Lecture Meeting; Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics</i> ; pp. 31-37 w/translation; 1993
	AEE	Junji Kido et al.; "Multilayer White Light-Emitting Organic Electroluminescent Device"; <i>Science</i> , Vol. 267; pp. 1332-1334; March 3, 1995

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							Yes	No
	AL	TW 243470	21 MAR 1995	TAIWAN			Abstract	
	AM							
	AN							
	AO							
	AP							

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